Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/22/2021 09:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123782	-1	2.09	123699	2.00
Blue	F	SSC	125000	123328	-2	3.95	123590	3.69
Blue	E	FITC	14400	13949	-4	2.80	319	14.31
Blue	D	PE	24713	24451	-2	2.26	560	10.75
Blue	B	PerCP-Cy5-5	31796	30847	-3	3.60	1024	14.60
Blue	A	PE-Cy7	21240	20919	-2	5.55	559	29.73
Red	C	APC	41319	40464	-3	3.29	1691	11.36
Red	A	APC-Cy7	21019	20186	-4	3.48	756	11.42
Violet	B	V450	7305	7024	-4	3.82	439	11.81
Violet	A	V500	28652	27437	-5	3.48	690	9.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22925	1.76	563	-6	N/A	N/A	Pass
Blue	F	SSC	57601	1.76	519	7	N/A	N/A	Pass
Blue	E	FITC	58	49.42	492	1	0.0508	0	Pass
Blue	D	PE	117	35.30	490	3	0.3818	232	Pass
Blue	B	PerCP-Cy5-5	192	34.63	584	0	0.0196	21	Pass
Blue	A	PE-Cy7	113	65.89	631	1	0.0206	0	Pass
Red	C	APC	392	22.91	573	0	0.0280	91	Pass
Red	A	APC-Cy7	170	25.92	542	-3	0.0065	572	Pass
Violet	B	V450	61	56.48	458	2	0.0618	1736	Pass
Violet	A	V500	99	30.52	471	1	0.0288	473	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.03	-31.84	0.97
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.59	15.99 - 23.99	N/A	N/A	30.36	30.47	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16763

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments